



UNITED STATES  
PATENT AND  
TRADEMARK OFFICE

DECEMBER 05, 2001

PTAS

SUGHRUE, MION, ZINN, MACPEAK & SEAS PLLC  
DARRYL MEXIC  
2100 PENNSYLVANIA AVENUE, N.W.  
SUITE 800  
WASHINGTON, DC 20037-3213

Under Secretary of Commerce For Intellectual Property and  
Director of the United States Patent and Trademark Office  
Washington, DC 20231  
www.uspto.gov



\*101865121A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 09/28/2001

REEL/FRAME: 012210/0644  
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

LEE, SUNG-HEE

DOC DATE: 06/20/2001

ASSIGNOR:

KO, SUNG-JEA

DOC DATE: 06/20/2001

ASSIGNEE:

SAMSUNG ELECTRONICS CO., LTD.  
416, MAETAN-DONG, PALDAL-GU, SUWON-  
CITY  
KYUNGKI-DO, REPUBLIC OF KOREA

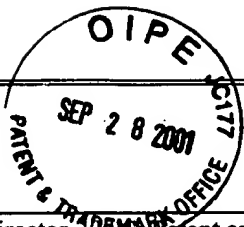
SERIAL NUMBER: 09878916  
PATENT NUMBER:

FILING DATE: 06/13/2001  
ISSUE DATE: 09/28/2001

JEFFREY OLSEN, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

10-04-2001

Q63031

Form PTO-1595  
1-31-92

101865121

REGISTRATION FORM COVER SHEET  
PATENTS ONLYU.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To the Director - U.S. Patent and Trademark Office. Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Sung-hee LEE and Sung-jea KO

9-28-01

Additional name(s) of conveying party(ies) attached?

☐ yes☒ no

## 2. Name and address of receiving party(ies)?

SAMSUNG ELECTRONICS CO., LTD.

416, Maetan-dong, Paldal-gu, Suwon-city, Kyungki-do, Republic of Korea

## 3. Nature of Conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Names☐ Other

Additional name(s) &amp; address(es) attached?

☐ yes☒ no

Execution Date: June 20, 2001

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)/Confirmation No.(s)

09/878,916 /2274

B. Patent No.(s)

Additional numbers attached?

☐ Yes☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC  
2100 Pennsylvania Avenue, N.W.  
Suite 800  
Washington, D.C. 20037-3213

## 6. Total number of applications and registration involved:

1

## 7. Total Fee (37 CFR 3.41): \$40.00

☒ Enclosed. Please charge any underpayment in connection with this Assignment to Deposit Account No. 19-4880.☐ Authorized to be charged to Deposit Account

## 8. Deposit Account No.

19-4880

DO NOT WRITE IN THIS SPACE

## 9. Statement and Signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

  
Darryl Mexic

Reg. No. 38,551

Reg. No. 23,063

September 28, 2001

Date

TOTAL NUMBER OF PAGES COMPRISING COVER SHEET, ATTACHMENTS AND DOCUMENT: 2

OMB No. 0651-0011 (exp. 4/94)

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

Director - U.S. Patent and Trademark Office

Box Assignment

Washington, D.C. 20231

10/03/2001 LMJELLER 00000182 09878916

01 FC:581

40.00 CP

# ASSIGNMENT

Whereas, I/We, **Sung-hee Lee and Sung-jea Ko** of **Ka-302 Kumkang Apt., 270-1 Kodung-dong, Kwonseon-gu, Suwon-city, Kyungki-do, Rep. of Korea** and **Ka-203 Shin Samho Apt., 725 Pangbae-dong, Seocho-gu, Seoul, Rep. of Korea**

hereinafter called assignor(s), have invented certain improvements in

**FORMAT CONVERTER USING BIDIRECTIONAL MOTION VECTOR AND METHOD THEREOF**

and executed an application for Letters Patent of the United States of America therefor on

20 June 2001; and

Whereas, **SAMSUNG ELECTRONICS CO., LTD.** of **416, Maetan-dong, Paldal-gu, Suwon-city, Kyungki-do, Republic of Korea** (assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We the above-named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. § 119, and I/we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

I/We hereby authorize and request my attorneys **SUGHRUE, MION, ZINN, MACPRAK & SEAS, PLLC** of **2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3213** to insert here in parentheses (Application number 09/878,916, filed 13 June 2001) the filing date and application number of said application when known.

Date: 20 June 2001

s/ Sung-Hee Lee  
Sung-hee Lee

Date: 20 June 2001

s/ [Signature]  
Sung-jea Ko

Date: \_\_\_\_\_

s/ \_\_\_\_\_

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. § 261)  
8/92

BEST AVAILABLE COPY